

Light efficiency:

107 Lumen/Watt

Light quality:

CRI: 82.7

Color temperature:

3015 K

Output: 1765 lm

Peak: 2358 cd

Power: 16.5 W

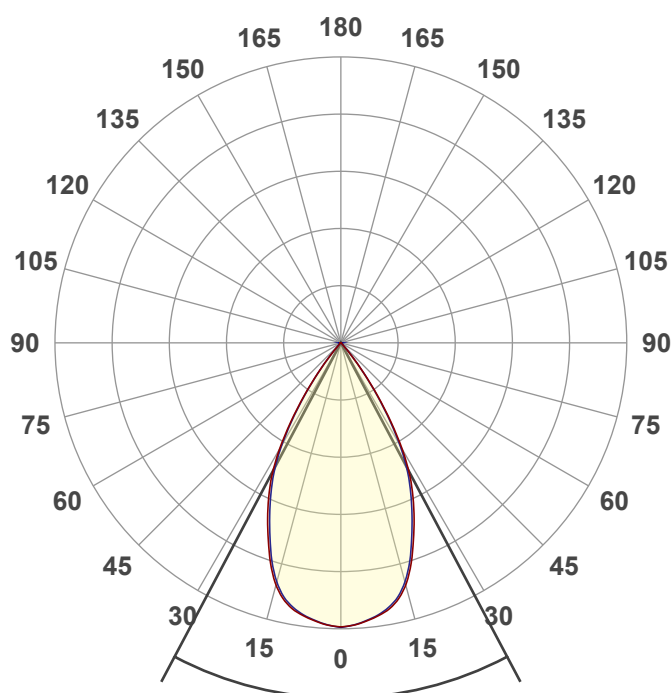
PF: 0.97



BETA-3R-SW-20LM-30K-80-55C-WH-WH

Date and time:

12/28/2022 11:47:40 AM



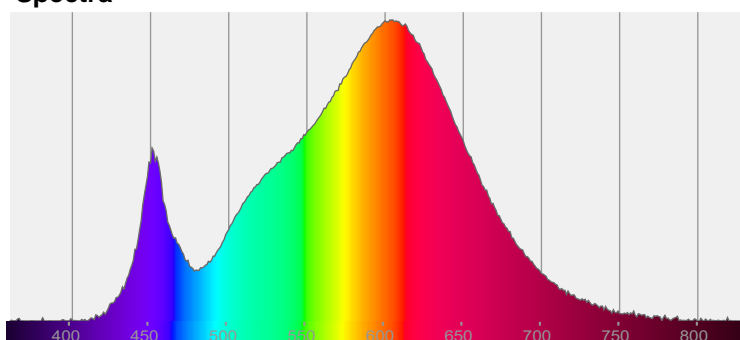
Beam angle

55.8°

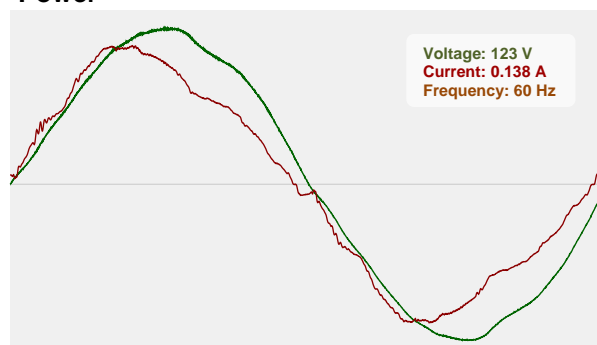


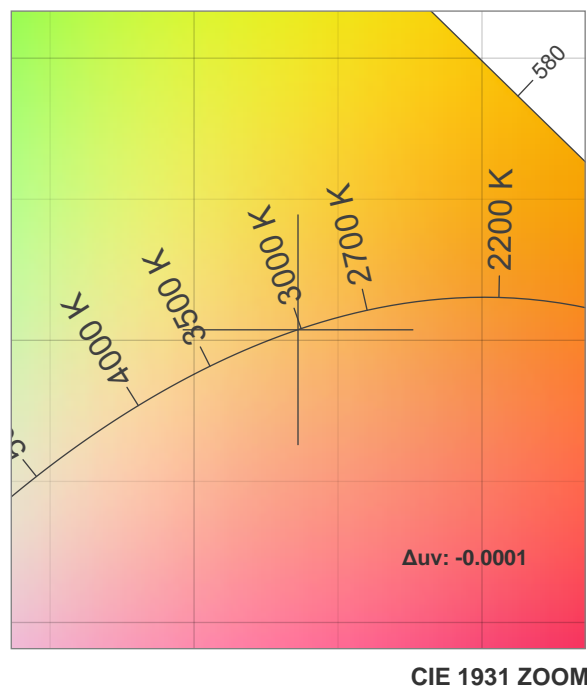
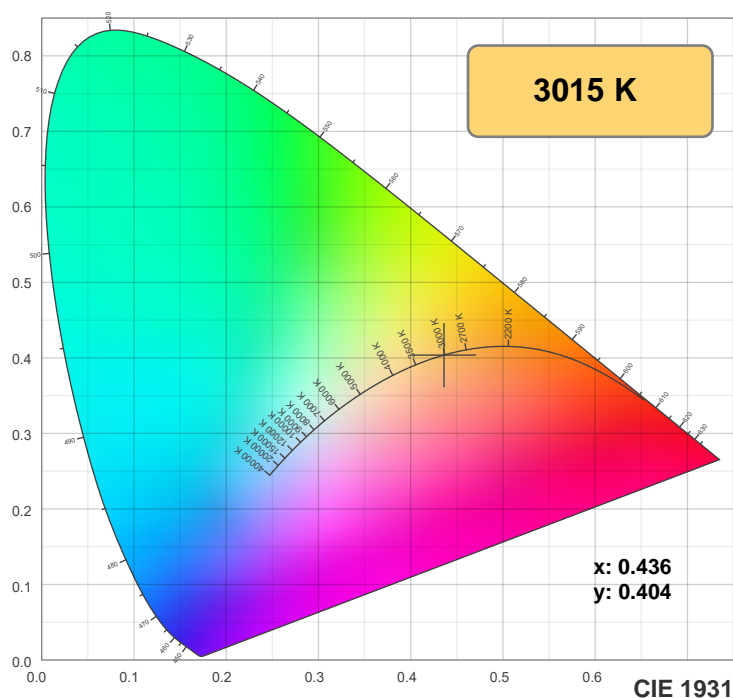
CIE 1931
x: 0.436
y: 0.404

Spectra

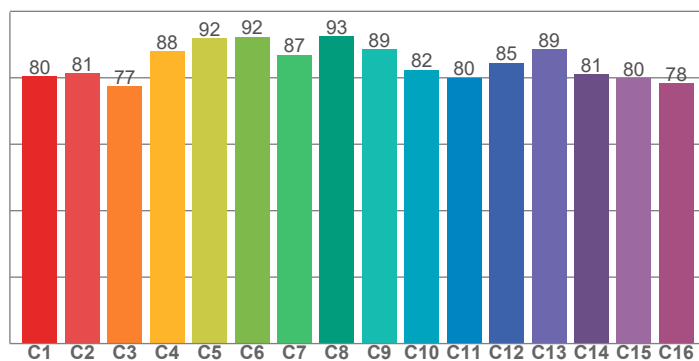


Power

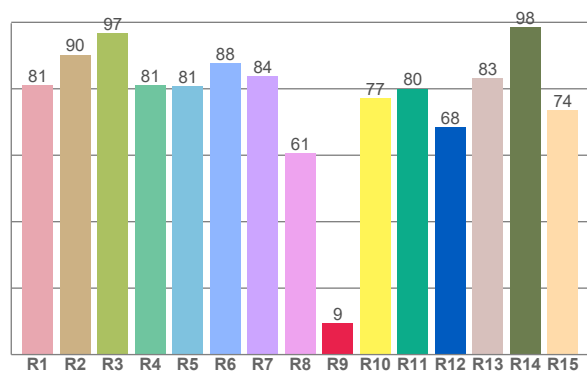




TM30: 84.5



CRI: 82.7 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81.1	90.2	96.8	81.1	80.8	87.6	83.8	60.6	9.4	77.1	80.0	68.4	83.3	98.4	73.6

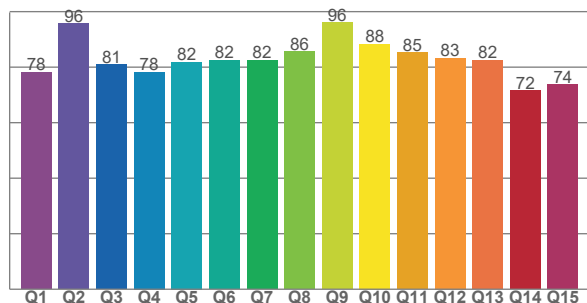
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80.4	81.4	77.4	87.9	91.9	92.4	86.9	92.5	88.5	82.3	80.0	84.6	88.6	81.1	79.9	78.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.2	95.6	81.0	78.3	81.8	82.5	82.5	85.6	96.0	88.4	85.3	83.2	82.4	71.6	73.7

CQS: 81.7



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3015 K	82.7	9.4	84.5	96.5	81.7	0.436	0.404	0.250	0.347	-0.0001

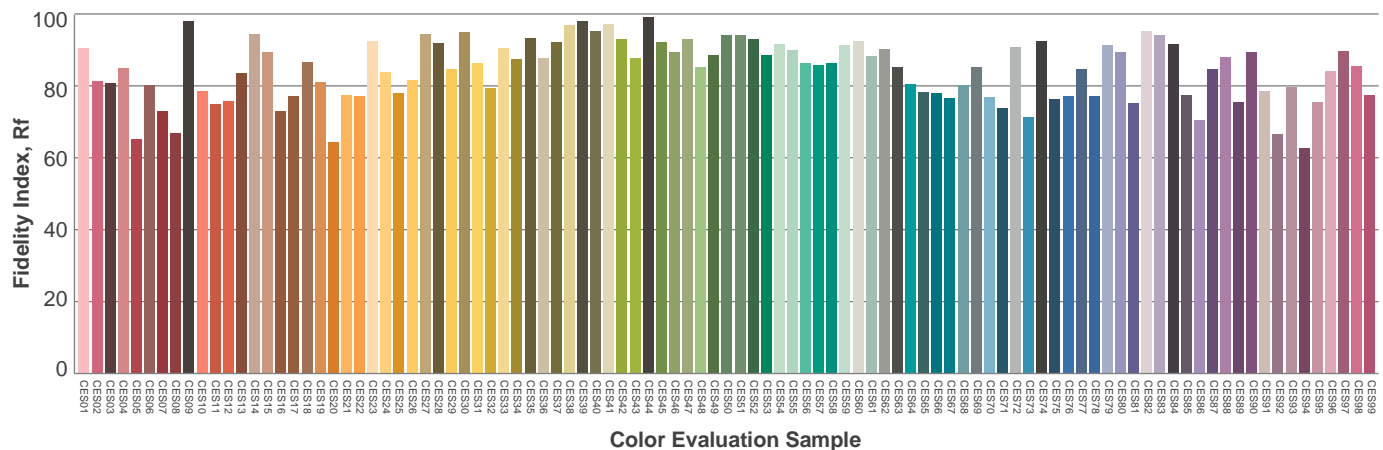
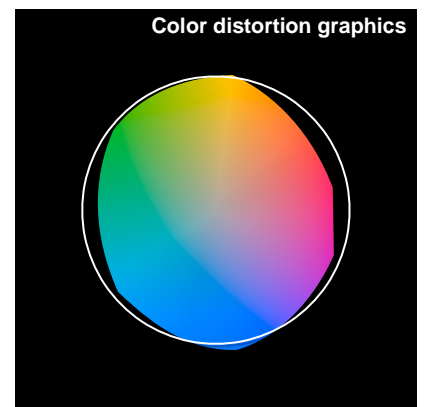
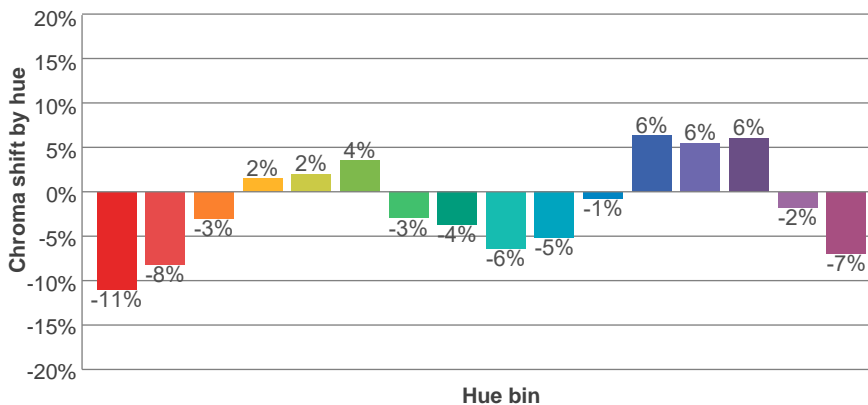
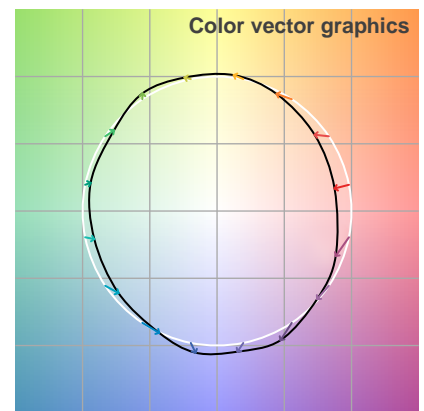
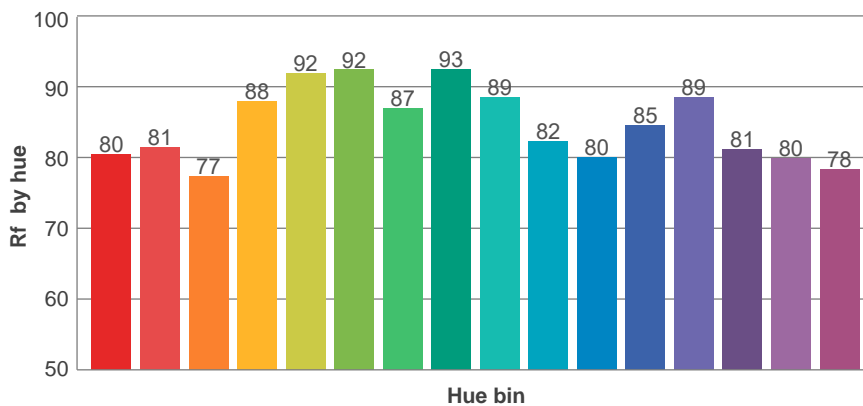
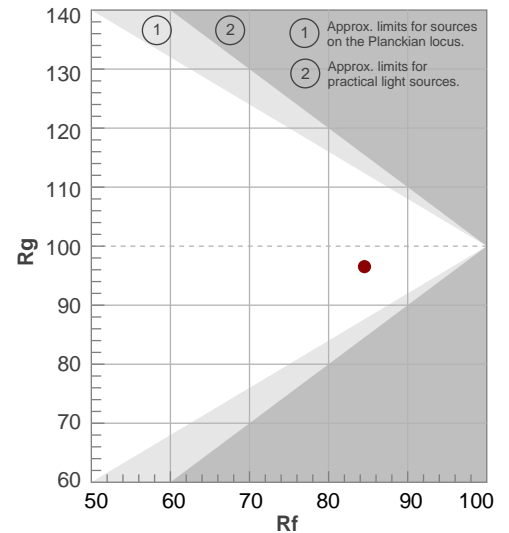
Rf 84.5

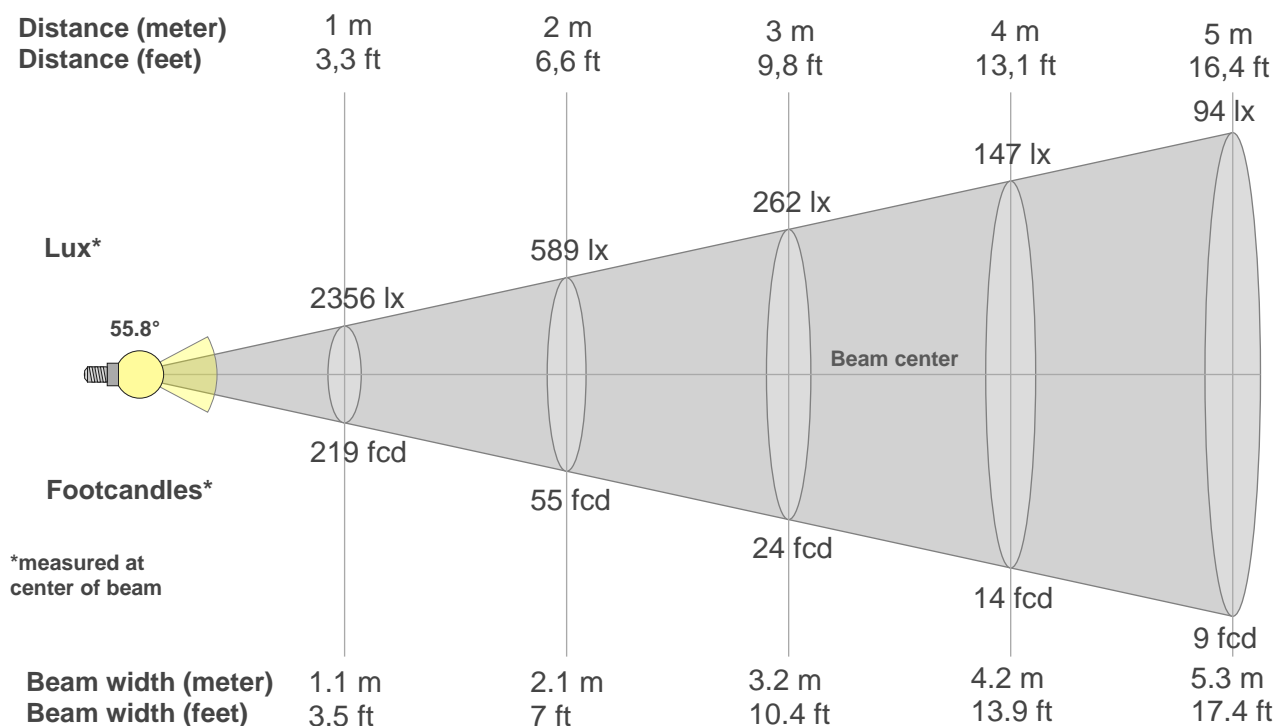
Fidelity index Rf

Rg 96.5

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-1%
2	81	-8%	7%
3	77	-3%	12%
4	88	2%	8%
5	92	2%	4%
6	92	4%	-3%
7	87	-3%	-7%
8	93	-4%	-2%
9	89	-6%	3%
10	82	-5%	10%
11	80	-1%	15%
12	85	6%	5%
13	89	6%	-5%
14	81	6%	-14%
15	80	-2%	-13%
16	78	-7%	-16%





Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
2356lx	589lx	262lx	147lx	94lx	65lx	48lx	37lx	29lx	24lx	19lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	7lx	6lx
218.9fcd	54.7fcd	24.3fcd	13.7fcd	8.8fcd	6.1fcd	4.5fcd	3.4fcd	2.7fcd	2.2fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2356	2347	2331	2308	2283	2249	2196	2121	2022	1898	1757	1622	1485	1345	1193	1017	813	613	425	261
100%	100%	99%	98%	97%	95%	93%	90%	86%	81%	75%	69%	63%	57%	51%	43%	35%	26%	18%	11%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2356	2347	2328	2303	2274	2234	2179	2098	1992	1864	1719	1577	1439	1300	1149	978	781	586	405	248
100%	100%	99%	98%	97%	95%	92%	89%	85%	79%	73%	67%	61%	55%	49%	41%	33%	25%	17%	11%

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2356	2347	2331	2308	2283	2249	2196	2121	2022	1898	1757	1622	1485	1345	1193	1017	813	613	425	261
100%	100%	99%	98%	97%	95%	93%	90%	86%	81%	75%	69%	63%	57%	51%	43%	35%	26%	18%	11%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2356	2347	2328	2303	2274	2234	2179	2098	1992	1864	1719	1577	1439	1300	1149	978	781	586	405	248
100%	100%	99%	98%	97%	95%	92%	89%	85%	79%	73%	67%	61%	55%	49%	41%	33%	25%	17%	11%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55.8°	76.5°	83.4°	99.7%	99.3%